



2637

Patent

PD-201014

Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen

Serial No.: 10/532,619

Filed: October 16, 2003

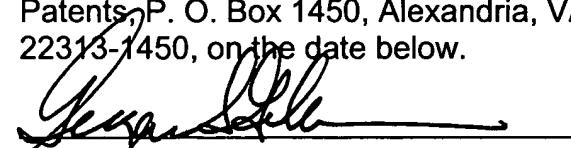
For: MAXIMIZING POWER AND
SPECTRAL EFFICIENCIES FOR
LAYERED AND CONVENTIONAL
MODULATIONS

Group Art Unit: 2637

Examiner: To be determined

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Georgann S. Grunebach

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Date: October 13, 2005

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. It is respectfully requested that the references be considered and made of record in the application identified above.

This statement should be considered because it is being submitted before the mailing of a first Office action on the merits under 37 C.F.R. §1.97(b)(3). Accordingly, it is submitted that no fee is due in this matter.

However, if it is determined that any appropriate fee is due, the Commissioner is hereby authorized to charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

By:

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October 13, 2005



Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/532,619
		Filing Date	October 16, 2003
		First Named Inventor	Ernest C. Chen
		Art Unit	2637
		Examiner Name	To be determined
Sheet 1 of 2		Attorney Docket Number	PD-201014

U.S. PATENT DOCUMENTS

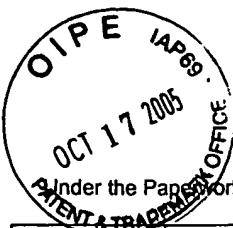
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-4,039,961	08-1977	Ishio et al.	
		US-6,574,235	06-2003	Arslan et al.	
		US-5,999,793	12-1999	Ben-Efraim et al.	
		US-6,297,691	10-2001	Anderson et al.	
		US-5,819,157	10-1998	Ben-Efraim et al.	
		US-5,579,344	11-1996	Namekata, Minoru	
		US-5,121,414	06-1992	Levine et al.	
		US-6,144,708	11-2000	Maruyama, Hidenori	
		US-6,055,278	04-2000	Ho et al.	
		US-6,330,336	12-2001	Kasama, Minoru	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		JANSSEN, GJM; SLIMANE, SB: "Performance of a multiuser detector for M-PSK signals based on successive cancellation", ICC 2001, 2001 IEEE International Conference on Communications, Conference Record, Helsinki, Finland, June 11-14, 2001, XP010552960	
		SLIMANE, SB; JANSSEN, GJM: "Power optimization of M-PSK cochannel signals for a narrowband multiuser detector", 2001 IEEE Pacific Rim Conference on Communications, Computers and Signal Processing, Victoria, B.C., Canada, August 26-28, 2001, XP010560334	

Examiner Signature		Date Considered	
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Sheet 2 of 2		Attorney Docket Number	PD-201014

NON PATENT LITERATURE DOCUMENTS

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		SOONG, ACK; KRZYMIEN, WA: "Performance of a reference symbol assisted multistage successive interference canceling receiver in a multi-cell CDMA wireless system, Conference record, Communication Theory Mini-Conference, GLOBECOM '95, IEEE Singapore November 13-17, 2000, XP010159490	
		ARSLAN, H; MOLNAR, K: "Iterative co-channel interference cancellation in narrowband mobile radio systems", Emerging Technologies Symposium: Broadband, Wireless Internet Access, 2000 IEEE, April 10-11, 2000, Piscataway, NJ, USA, XP010538900	

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